

4 Digit LED Watch

Feature

- ◆3V Lithium Battery Operation
- ◆Clock with Month, Date, Hour, Minute, Second
- ◆12H/24H cycle Selectable
- ◆Very Low Power Dissipation
- ◆32768 Hz crystal controlled operation
- ◆Debounce circuit on switch input
- ◆Protection against static discharge
- ◆One-touch operation

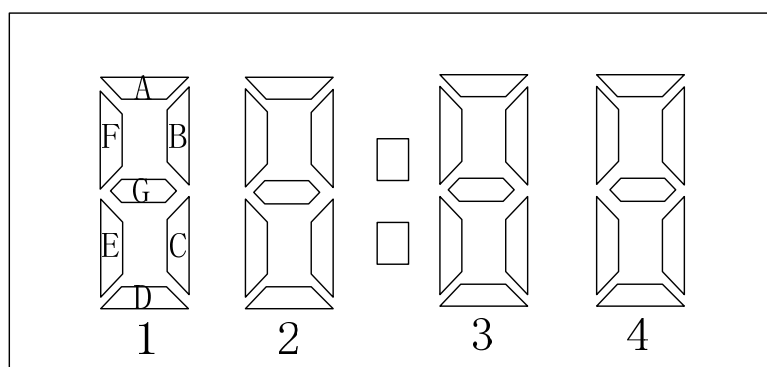
特点

- ◆3V 锂电池供电
- ◆可显示年、月、日、时、分、秒
- ◆可选 12/24 小时制
- ◆低功耗
- ◆32768 Hz 晶振
- ◆开关输入防弹跳
- ◆带静电保护
- ◆单键操作

ELECTRICAL CHARACTERISTICS 电特性

Characteristics		Sym	Min	Typ	Max	Unit	Remarks
Operating Voltage	工作电压	VDD	2.3	3.0	3.6	V	-
Quiescent Current	静态电流	ISB	-	1	3	uA	No Load
Operating Current	工作电流	IOP	-	-	60	mA	LED 全显
Input High Voltage	输入高电压	VIH	VDD-0.3	-	VDD	V	-
Input Low Voltage	输入低电压	VIL	VSS	-	VSS+0.3	V	-
Switch Activation Current	按键开关电流	ISW	-	-	3	uA	VIN=VDD
Oscillation Frequency	振荡频率	FOSC	-	32768	-	Hz	-
LED Frequency	LED 频率	FLED	-	128	-	Hz	-
Time Stability	时间稳定度	TSTB	-	1	5	ppm	2.5~3.3V

LED 字形显示

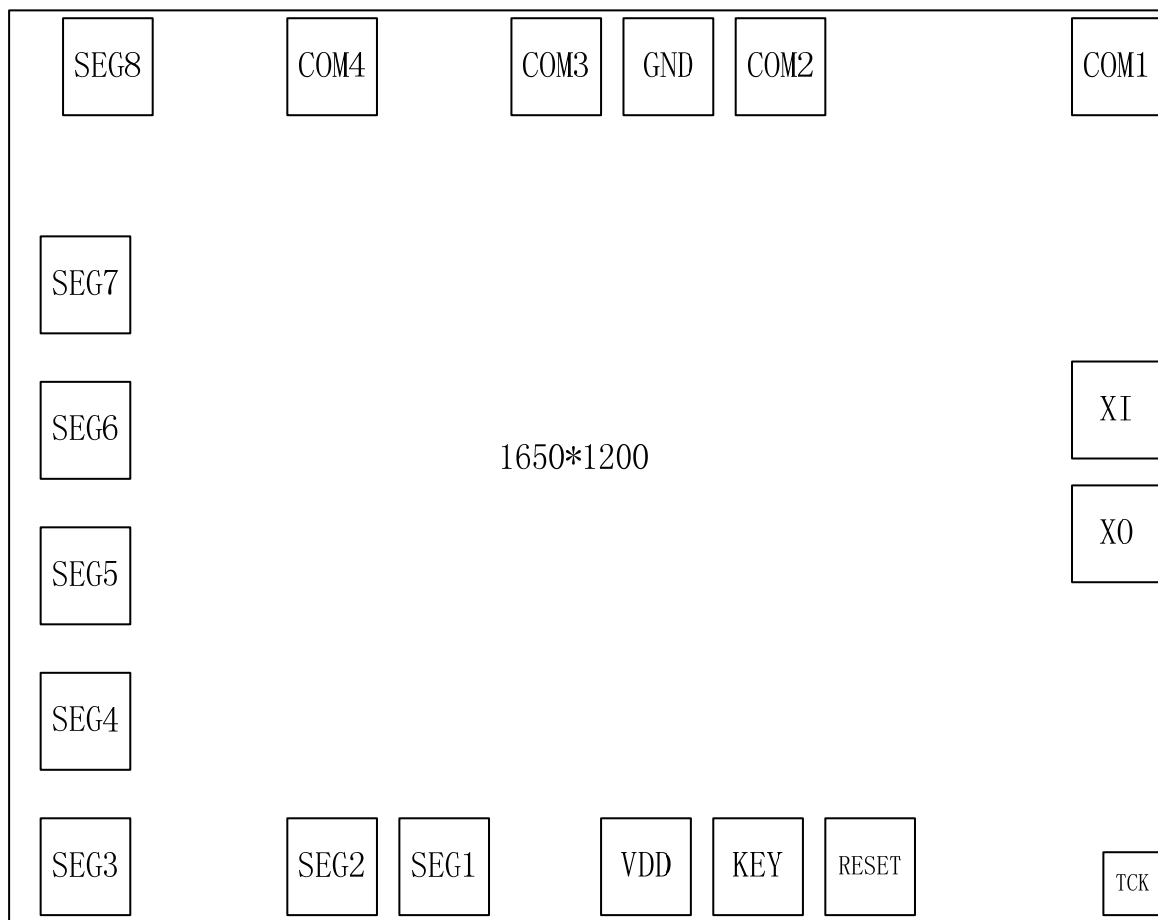


4 Digit LED Watch

LED 字段分配

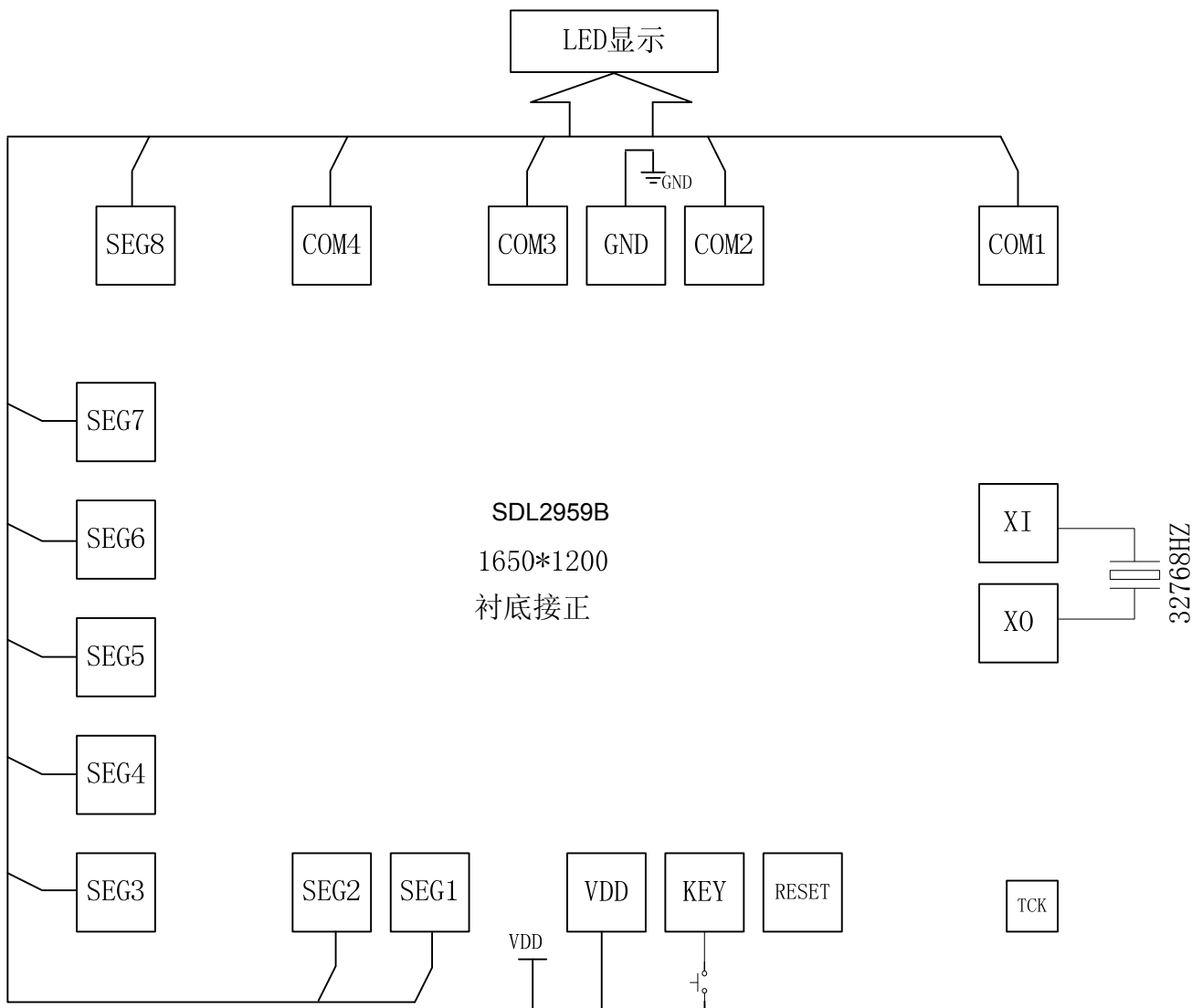
LED PIN	IC PIN	COM4	COM3	COM2	COM1
1	COM4	COM4			
2	COM3		COM3		
3	COM2			COM2	
4	COM1				COM1
5	SEG7	4A	3A	2A	1A
6	SEG6	4B	3B	2B	1B
7	SEG5	4F	3F	2F	1F
8	SEG4	4G	3G	2G	1G
9	SEG3	4E	3E	2E	1E
10	SEG2	4C	3C	2C	1C
11	SEG1	4D	3D	2D	1D
12	SEG8				COL

Pad Diagram 脚位图



4 Digit LED Watch

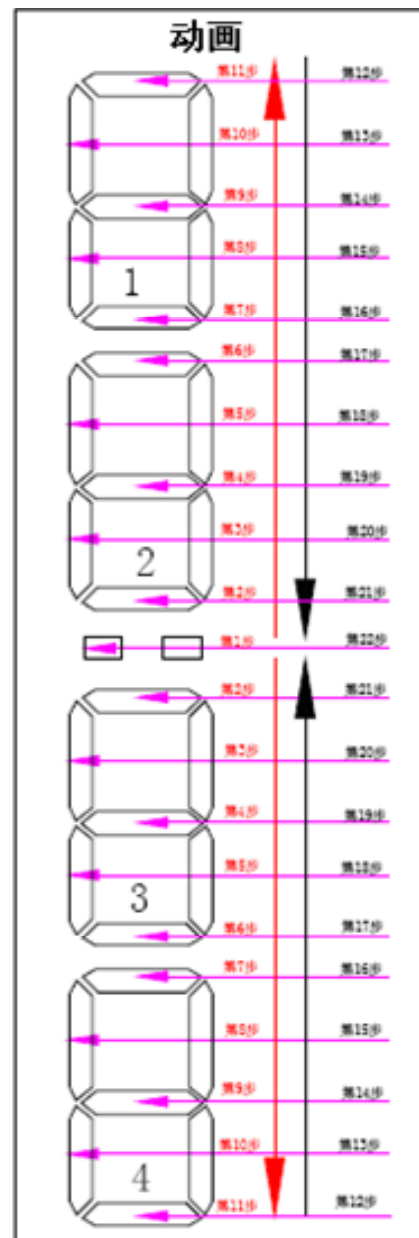
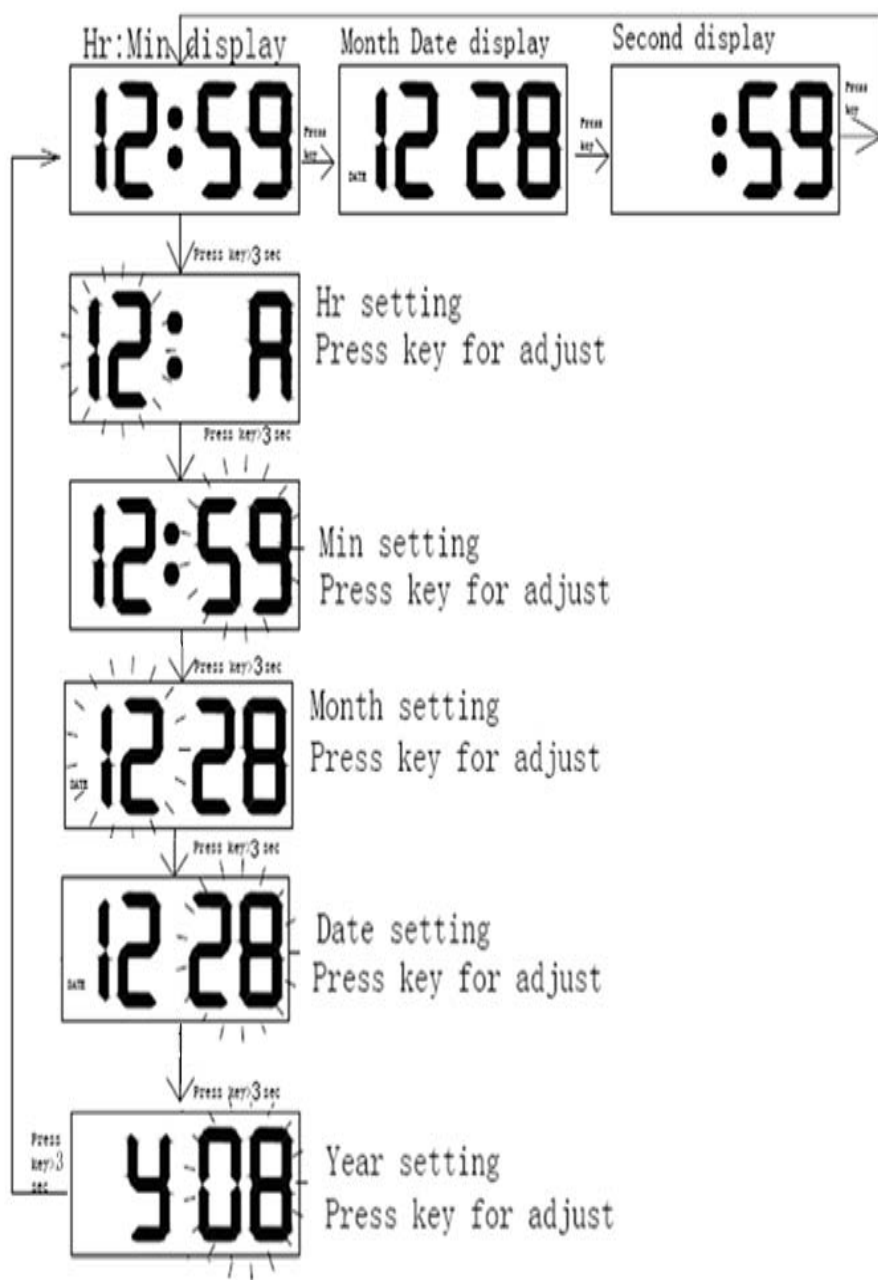
RECOMMEND APPLICATION 应用电路



4 Digit LED Watch

设定流程和按键操作

动画描述



* 动画：第 1 到 11 步依次点亮；第 12 到 22 步依次熄灭。